



THE REMOTE CONTROL (CLU-951 MP)

In addition to controlling all the functions on your HITACHI Projection TV, the new remote is designed to operate different types of VCR's, CATV (Cable TV) converters and Audio equipment with one touch. Basic operation keys are grouped together in one area. All other controls are separated from them and arranged in MULTI-PAGE sec-

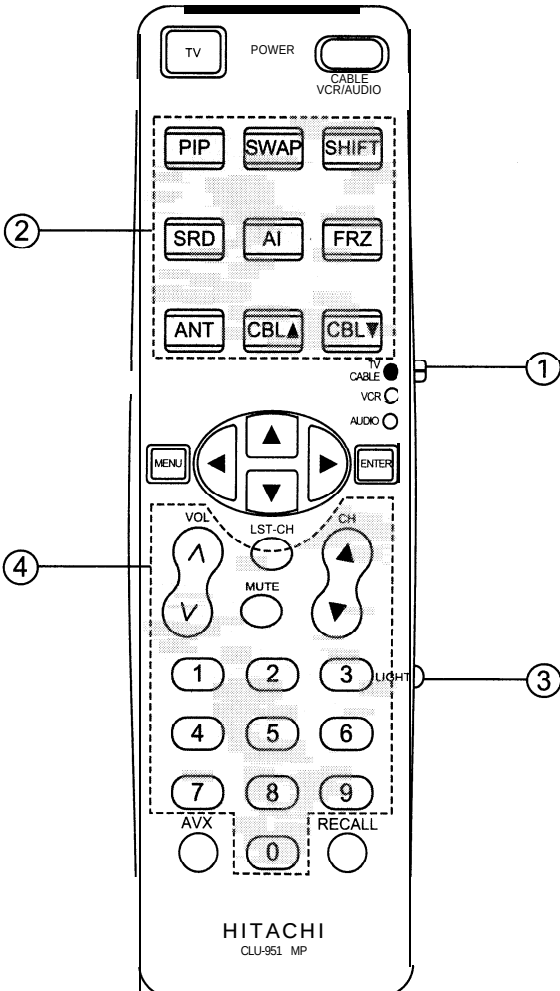
tions, with a display that can be switched to cover any of the three pages. Functions are arranged and properly categorized into windows, making operation simple when multiple functions are to be controlled.

To operate your TV, point the remote at the remote sensor of the TV and press the TV POWER button.

To operate your VCR, point the remote at the remote sensor of the VCR. Slide the MULTI-PAGE select switch to VCR and press the VCR POWER button to turn on the VCR power. The remote will now control your VCR. (See page 23 for instructions on how to program the remote to control your VCR.)

To operate your Cable Box, point the remote at the remote sensor of the cable box. Slide the MULTI-PAGE select switch to TV/CABLE and press the CABLE POWER button to turn on the cable box power. The remote will now control your cable box. (See page 24 for instructions on how to program the remote to control your cable box.)

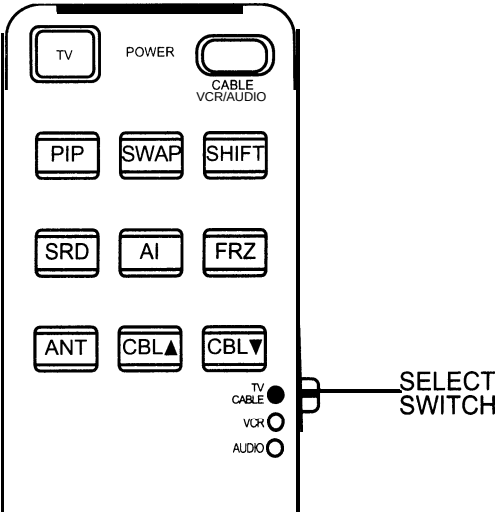
To operate your Audio Equipment, point the remote at the remote sensor of the audio component you would like to operate. Slide the MULTI-PAGE select switch to AUDIO and press the button which corresponds to the component you would like to control (AMP, CD, or TAPE). Press the AUDIO POWER button to turn on the audio component power. The remote will now control your audio equipment. (See page 25 for instructions on how to program the remote to control your audio equipment.)



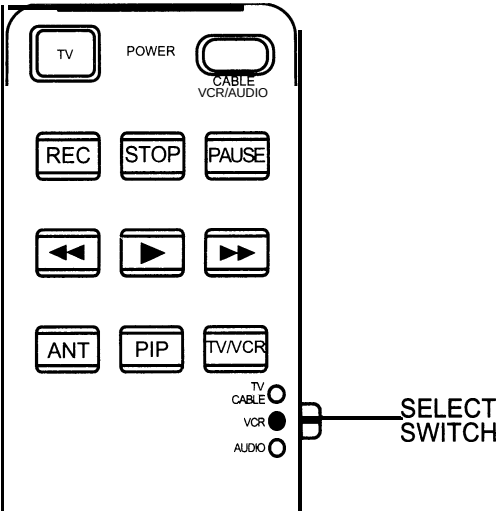
0 MULTI-PAGE select switch
This selects the button layout of the multi-page section of the remote control.

3 MULTI-PAGE buttons
These buttons change functions as shown on page 17.

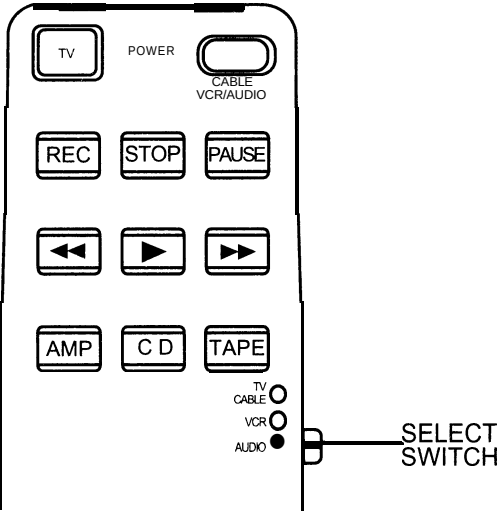
3, 4 LIGHT BUTTON
When you are in a dark room, press this button on the side of the remote to light up the buttons shown in 4. The light will stay on for about 8 seconds if the light button is not pressed again. These buttons will not appear to light if the room is too bright.



When "TV/CABLE" is Set



When "VCR" is Set



When "AUDIO" is Set



HOW TO USE THE REMOTE TO CONTROL YOUR TV

0 TV POWER button

Press this button to turn the TV set on or off. If Message-1 or Message-2 is set, it will be displayed when the TV is first turned on. (See page 36)

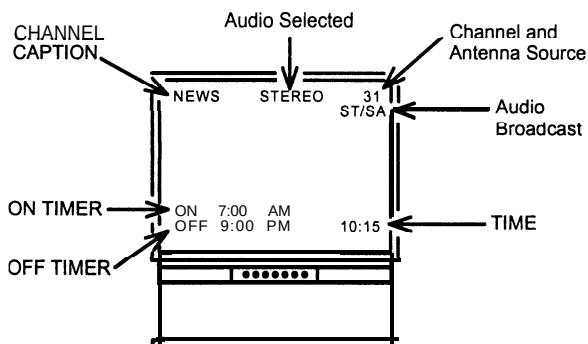
0 CABLE/VCR/AUDIO POWER button

Once the remote is programmed, press this button to control power to your Cable Box, VCR or Audio Equipment, depending on the button layout of the MULTI-PAGE section of the remote control, as chosen by the MULTI-PAGE select switch. (See pages 16, 23, 24, 25)

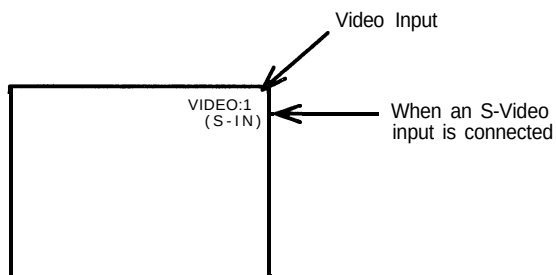
0 RECALL button

When you want to check the channel being received, or if it has a stereo (ST) or second audio program (SAP), press the RECALL button.

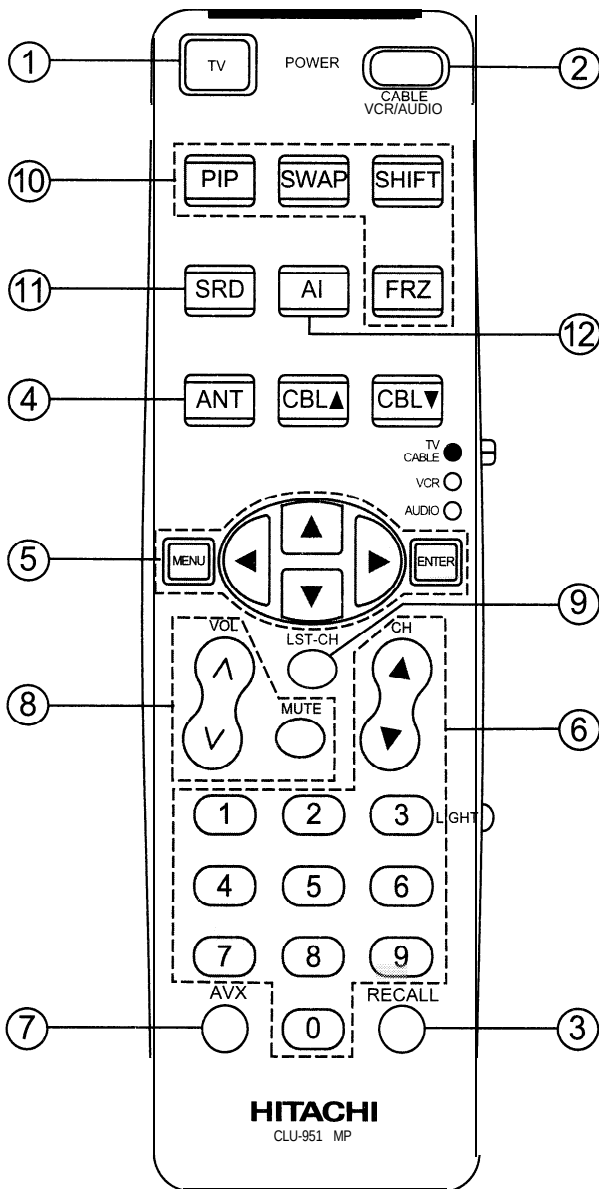
You can also check the time, and if the ON TIME or OFF TIME has been set. (See page 35)



If a video input is used:



You can also use the RECALL button to quickly clear many of the other on-screen displays.



HOW TO USE THE REMOTE TO CONTROL YOUR TV



4 ANT button

Use the ANT (Antenna) button to select between the VHF/UHF and AUX (Auxiliary) antenna inputs.

NOTE: When VHF/UHF is selected, the channel number in the upper right corner of the screen is in green. When the AUX input is selected, the channel number is in yellow.

5 MENU, ENTER, CURSOR buttons

All the on-screen display features can be set or adjusted by using these buttons.

The "MENU" button will start or exit the on-screen display.

The "CURSOR" buttons will highlight functions or adjust different features.

The "ENTER" button will set features to your preference.

6 CHANNEL SELECTOR buttons

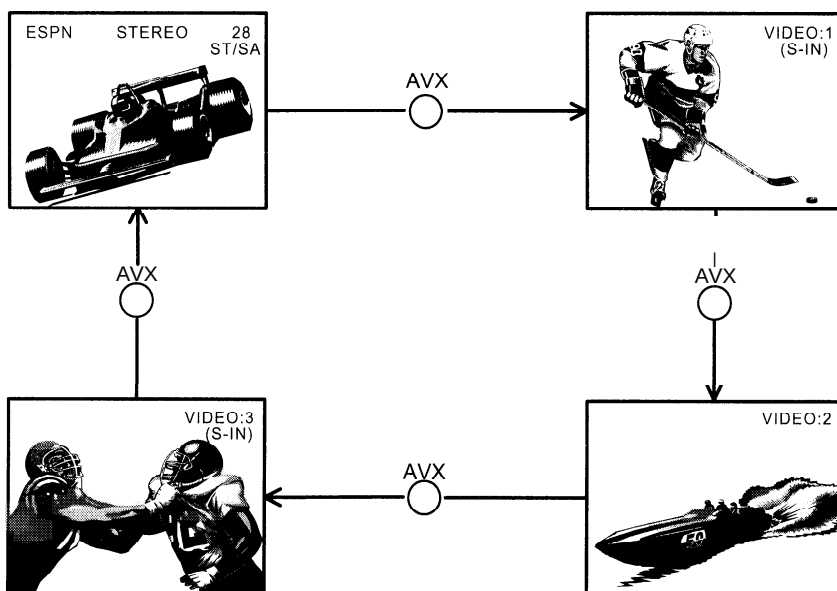
"CHANNEL SELECTOR" buttons are used to set the time, for channel memory, etc..

Channel selection may also be performed by pressing channel up (▲) or down (▼).

NOTE: The TV may not receive some channels if you are not in the correct AIR/CABLE mode. (See page 29)

7 AVX button

The AVX (Auxiliary Video) button will select between the antenna signal and the three sets of video input jacks each time the button is pressed. If the Picture-in-Picture (PIP) is on, the AVX will select between the three sets of video input jacks. (See page 21)



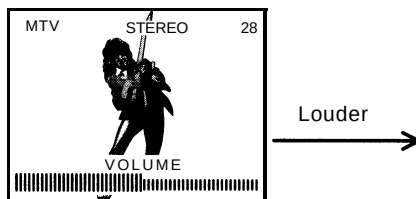


HOW TO USE THE REMOTE TO CONTROL YOUR TV

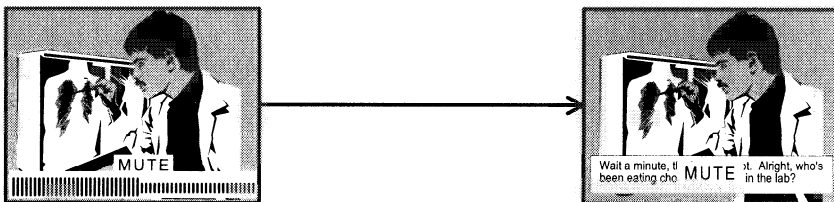
⑧ VOLUME, MUTE buttons

Press the "VOLUME" up (▲) or down (▼) button until you obtain the desired sound level.

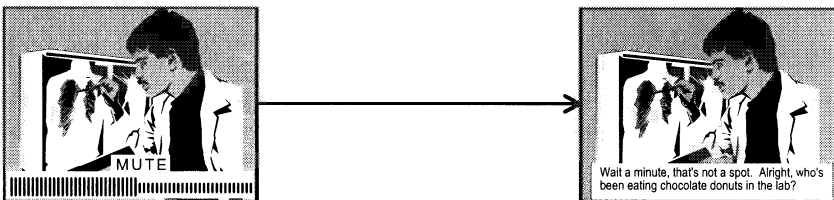
To turn the sound off instantly to answer the telephone, etc., press the "MUTE" button. Press the "MUTE" button again or press the "VOLUME" up (▲) button to restore the sound.



The word "MUTE" will remain displayed if the CLOSED CAPTION feature is turned off. CLOSED CAPTION will also be displayed when the "MUTE" button is pressed.

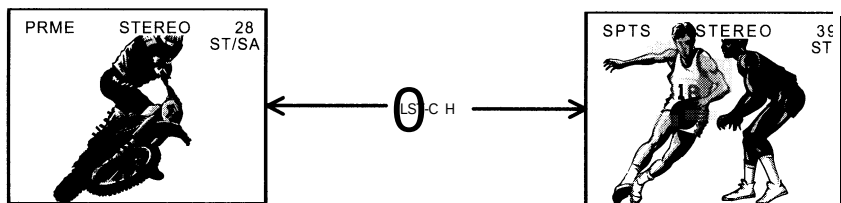


The word "MUTE" will not be displayed if the CLOSED CAPTION feature is on.



⑨ LAST CHANNEL (LST-CH) button

Use this button to select between the last two channels viewed. (Good for watching two sporting events, etc.)



⑩ PICTURE-IN-PICTURE buttons

See separate section on page 21 for a description.

⑪ SURROUND (SRD) button

Press this button to enter the SURROUND menu. (See pages 15 and 42.)

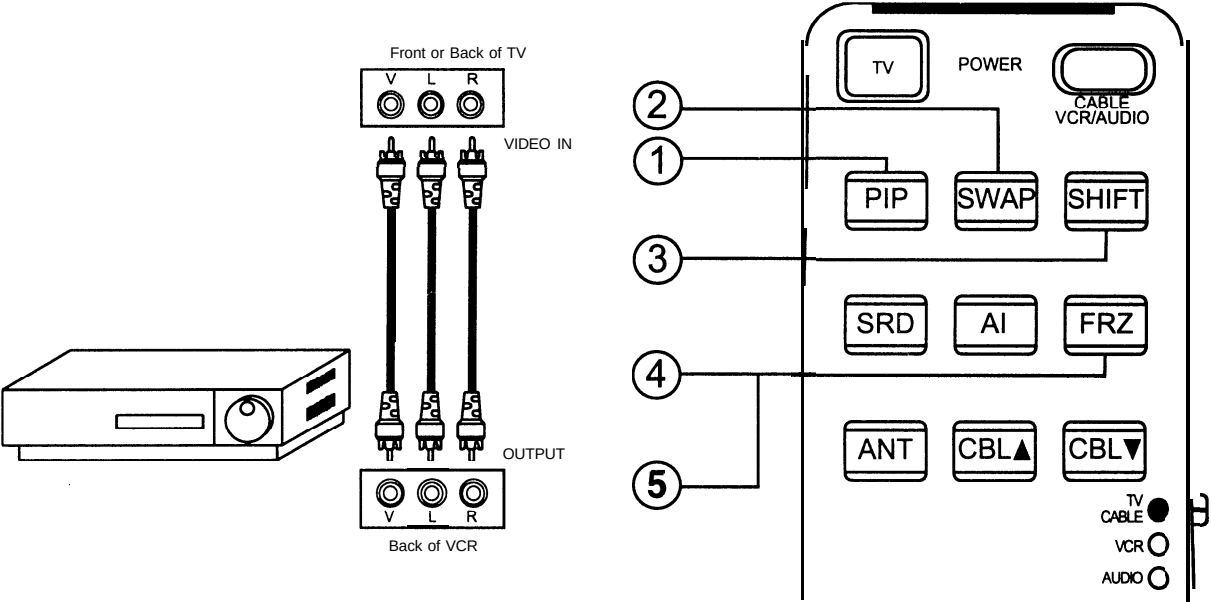
⑫ ARTIFICIAL INTELLIGENCE (AI) button

Press this button to turn the AI function on or off. (See page 38)

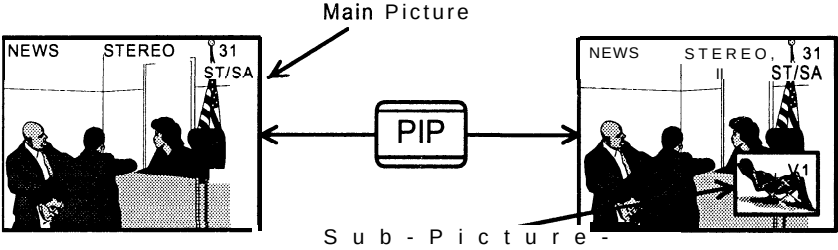


PICTURE-IN-PICTURE (PIP)

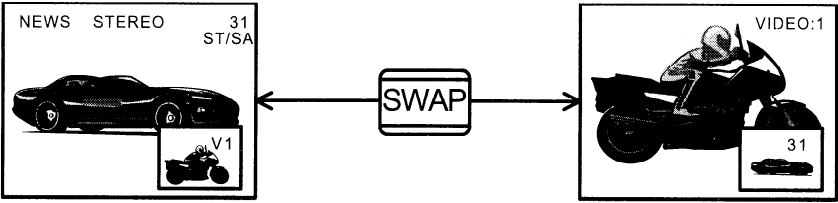
The Picture-in-Picture feature is convenient when you want to watch more than one program at the same time. You can watch a TV program while viewing a VCR program (TV or tape) on any of the video inputs.



- 1 PIP BUTTON**
Press the "PIP" button and a sub-picture appears in one corner of the screen. Press the button a second time to remove the sub-picture from the screen. Press the AVX button when the sub-picture is on to change between VIDEO: 1, VIDEO: 2 and VIDEO: 3. The TV channel will always be either the main picture or the sub-picture.



- 2 SWAP BUTTON**
If you wish to switch what is being shown on the main picture to the sub-picture, press the "SWAP" button.

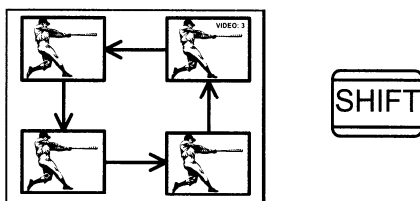




PICTURE-IN-PICTURE (p(P)

③ SHIFT BUTTON

To move the sub-picture to another corner, press the "SHIFT" button. The sub-picture moves one step counter-clockwise every time the "SHIFT" button is pressed.

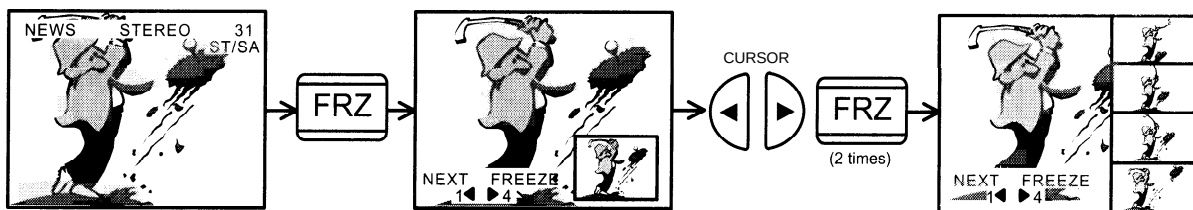


④ FREEZE (FRZ) BUTTON

If you wish to freeze the sub-picture, press the "FRZ" button. This is convenient when trying to write down the address for a mail order company, recording statistics for a sporting event, etc. To return the picture to motion, press the button again.

⑤ STROBE FREEZE

Press this button without a sub-picture to freeze one or four frames of the picture you are currently viewing. Press this button again or PIP to return to normal viewing. The four frame strobe freeze is useful for viewing a moving picture that has many details, for example, a close play in a sporting event or a golf swing.



CAUTION: A pattern burn may develop if the sub-picture is left in the same corner permanently. If the PIP feature is used frequently, occasionally shift the sub-picture to a different corner.

NOTE:

1. Only sound from the main picture can be heard, unless you choose PIP from wireless mode and use the "TRANSMITTER OUT" outputs on the rear panel. (See page 44.)
2. Each strobe freeze frame is delayed about 0.3 (3/10) second.



USING THE REMOTE TO CONTROL VCR FUNCTIONS

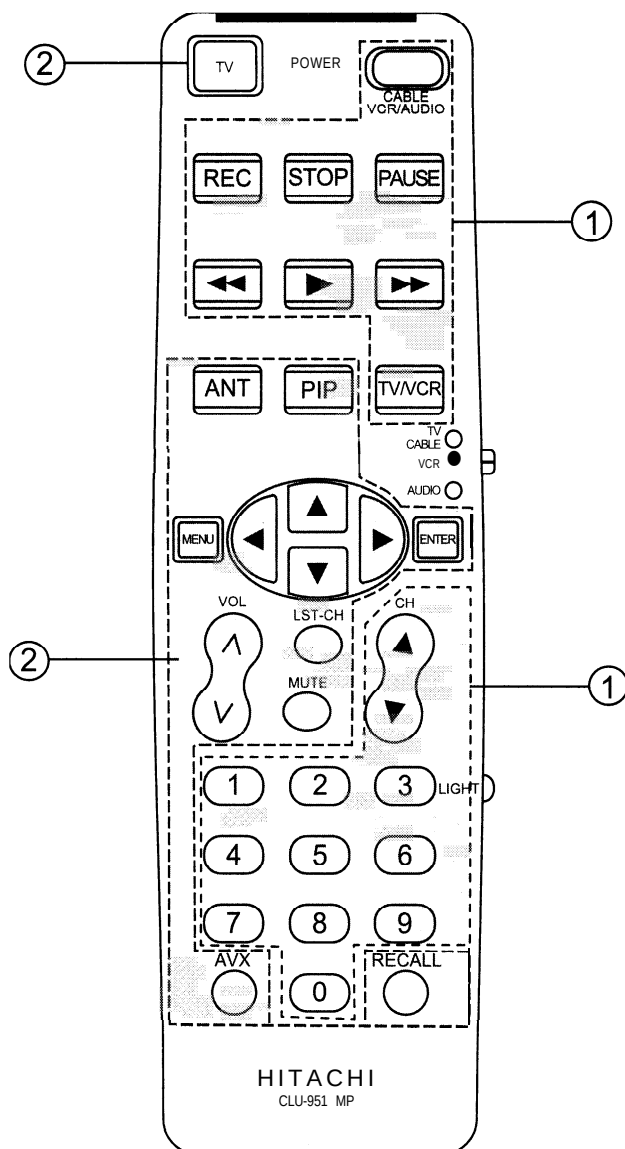
Operating the pre-coded function for your VCR

This remote is designed to operate different types of VCRs. You must first program the remote to match the remote system in your VCR. (Refer to page 26)

1. Set the MULTI-PAGE select switch to "VCR".
2. Turn ON your VCR.
3. Aim the remote control at the front of your VCR.
3. Press the VCR button to switch to the VCR pre-code mode.
4. While holding down the VCR POWER button on the remote, enter the 2 digit preset code that matches your VCR as shown on page 26. The remote will turn off your VCR when the correct 2 digit preset code is entered. When this occurs, the remote control is programmed for your VCR. If the VCR does not turn off after 5 seconds, try a different 2 digit preset code.
5. The remote will now control your VCR.

NOTES:

1. If your VCR cannot be operated after performing the above procedures, this means that your VCR's codes have not been precoded into the remote.
2. In the unlikely event that your VCR cannot be operated after performing the above procedures, please consult your VCR operating guide.
3. The remote control will remember the codes you have programmed in until the batteries are removed from the remote control. After replacing the batteries repeat the entire programming procedure stated above.
4. If your VCR does not have a power function, the remote will issue the CHANNEL UP function.



1 PRECODED VCR BUTTONS

These buttons transmit the chosen precoded VCR codes.

2 EXCLUSIVE TV BUTTONS

These buttons are for operating the TV.



USING THE REMOTE TO CONTROL CABLE BOX FUNCTIONS

Operating the pre-coded function for your cable box

This remote is designed to operate different types of cable boxes. You must first program the remote to match the remote system in your cable box. (Refer to page 26)

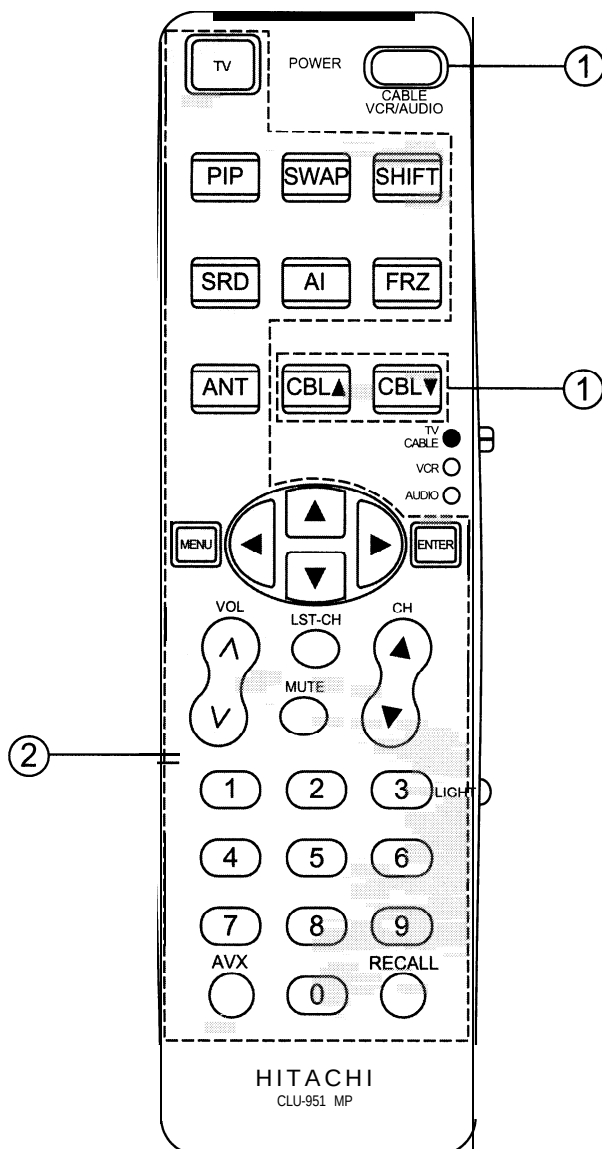
1. Set the MULTI-PAGE select switch to "TV/CABLE".
2. Turn ON your cable box.
3. Aim the remote control at the front of your cable box.
4. While holding down the CABLEPOWER button on the remote, enter the 2 digit preset code that matches your cable box as shown on page 26. The remote will turn off your cable box when the correct 2 digit preset code is entered. When this occurs, the remote control is programmed for your cable box. If the cable box does not turn off after 5 seconds, try another 2 digit preset code.
5. The remote will now control your cable box.

NOTES:

1. If your cable box cannot be operated after performing the above procedures, this means that your cable box codes have not been precoded into the remote.
2. In the unlikely event that your cable box cannot operate after performing the above procedures, consult your cable box operating guide.
3. The remote control will remember the codes you have programmed in until the batteries are removed from the remote control. After replacing the batteries, repeat the entire programming procedure stated above.
4. If your cable box does not have a power function, the remote will issue the CHANNEL UP function.

1 PRECODED FOR CABLE BOX
These buttons transmit the chosen precoded CATV codes.

2 EXCLUSIVE TV BUTTONS
These buttons are for operating the TV.



USING THE REMOTE TO CONTROL AUDIO EQUIPMENT FUNCTIONS



Operating the pre-coded function for your audio equipment

This remote is designed to operate different types of audio equipment. You must first program the remote to match the remote system of your audio equipment. (Refer to page 26)

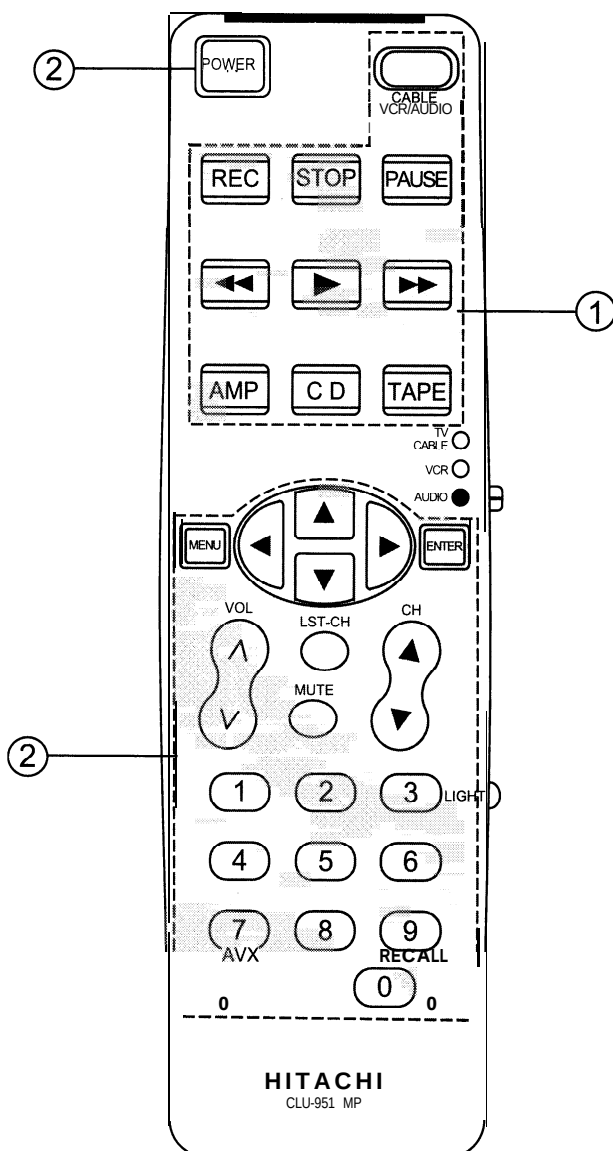
1. Set the MULTI-PAGE select switch to "AUDIO".
2. Turn ON the audio component you wish to control with your remote (AMP, CD, or TAPE).
3. Aim the remote control at the front of your audio equipment.
4. While holding down the button on the remote which corresponds with the component you wish to control (AMP, CD, or TAPE), enter the 2 digit preset code that matches your audio component as shown on page 26. The remote will turn off your audio component when the correct 2 digit preset code is entered. When this occurs, the remote control is programmed for your audio component. If the audio component does not turn off after 5 seconds, try a different 2 digit preset code.
5. The remote will now control your audio component.
6. Repeat steps 2-5 until all audio equipment preset codes are programmed into the remote.

NOTES:

1. If your audio component cannot be operated after performing the above procedures, this means that your audio components codes have not been precoded into the remote.
2. In the unlikely event that your audio component cannot operate after performing the above procedures, consult your audio component operating guide.
3. The remote control will remember the codes you have programmed in until the batteries are removed from the remote control. After replacing the batteries, repeat the entire programming procedure stated above.
4. If your audio component does not have a power function, the remote will issue another obvious function that the audio component will respond to, such as CD open/close.
5. The default for AUDIO Mode is AMP.

1 PRECODED FOR AUDIO EQUIPMENT
These buttons transmit the chosen precoded AUDIO EQUIPMENT codes.

2 EXCLUSIVE TV BUTTONS
These buttons are for operating the TV.





VCR AND CABLE BOX CODES

VCR BRAND	CODE	VCR BRAND	CODE	CABLE BRAND	CODE	AMP BRAND	CODE
Adventura	00	Nikko	10	ABC	03,05,09,11,12,14	Optimus	00,01
Aiko	50	Noblex	48	Arc her	40	Pioneer	00,01
Aiwa	00	Olympus	09	Belcor	31	Technics	02
Akai	14,23	Optimus	10,20	Cable Star	31		
American High	09	Panasonic	09,35,46	Century	40	CD BRAND	CODE
Asha	48	Penney	09,10,11,13, 15,48	Citizen	40	Adcom	16
Audiovox	10	Pentax	15,24	Contec	15	Aiwa	17
Beaumarck	48	Philco	09	Garrard	40	CA Audio Lab	06
Bell & Howell	30	Philips	09,28	GC Electronics	31	Carver	17
Broksonic	33,37,43	Pilot	10	Gemini	13	Denon	04
Calix	10	Pioneer	26	General Instrument	09	Emerson	16
Canon	09	Protec	27	Hamlin	08,16,49,50	Fisher	08,11
Carver	28	Pulsar	12	Hitachi	09	Genexxa	07
CCE	27,50	Quarter	18	Hytex	05	Hitachi	07,14,15,16,21,23,24
Citizen	10,50	Quartz	18	Jasco	40	JVC	10
Colt	27	Quasar	09	Jerrold	03,09,10,12,13,51	Kenwood	05,08,19
Craig	10,19,27,48	Radio Shack	00,10	Memorex	00,51	Krell	17
Curtis Mathes	09,22	Radix	10	Movie Time	42	Magnavox	17
Cybernex	48	Randex	10	NSC	42	Marantz	06,17
Daewoo	17,50	RCA	15,22,24	Oak	05,15,47	MCS	06
Dynatech	00	Realistic	00,09,10,18, 19,20,30,48	Panasonic	17	Mission	17
Electrohome	10	Ricoh	08	Paragon	00	NSM	17
Electroponic	10	Runco	12	Philips	40	Onkyo	13
Emerex	06	Samsung	17,48	Pioneer	39	Optimus	03,07,12
Emerson	00,01,10,16, 23, 33,37,40,43	Sanky	12,20	Pulsar	00	Panasonic	06
Fisher	19,30	Sansui	14,26	RCA	17	Philips	17
Fuji	07,09	Sanyo	18,19,30,48	Regal	16,49,50	Pioneer	07,12
Funai	00	Scott	16,17,33,37, 42,43	Rembrant	09	Proton	17
Garrard	00	Sears	09,10,15,18, 19,31	Runcos	00	Quasar	06
GE	09,22,24	Sharp	20	Samsung	39	RCA	09,16
Goldstar	10,11	S hintom	27	Scientific Atlanta	04,06,14, 52,56	Realistic	16
Gradiente	00	Shogun	48	Signal	13	Rote1	17
Harley Davidson	00	Singer	27	Signature	09	SAE	17
Harman/ Kardon	11	Sony	06,07,08,09	Sprucer	17	Sansui	17
Harwood	27	STS	15	Standard Components	41	Scott	16
Headquarter	18	Sylvania	00,09,16,28	Starcom	03,13	Sony	03,18
HI-Q	19	Symphonic	00	Stargate	13	Sylvania	17
Hitachi	14,15,24	Tatung	14	Starquest	13	Technics	06,20,22
Jensen	14	Teac	00,14	Tocom	10,11,33	Victor	10
JVC	14,26	Technics	09,35	Toshiba	00	TAPE BRAND	CODE
Kenwood	11,14,18,26	Teknika	00,09,10	Tusa	13	Hitachi	56,57,61,62
KLH	27	TMK	40,48	Unika	40	JVC	59
Kodak	09,10	Toshiba	16,17,42	United Artists	05	Kenwood	55
Lloyd	00	Totevision	10,48	United Cable	03	Optimus	54
Logik	27	Unitech	48	Universal	31,40	Panasonic	60
LX1	10	Vector	17	Videoway	48	Pioneer	54
Magnavox	09,12,28	Vector Research	11,13	Zenith	00	Sony	58
Magnin	48	Video Concepts	13,17,23			Wards	54
Marantz	09,11,28	Videosonic	48				
Marta	10	Wards	00,09,15,19, 20,27,48				
Matsushita	09	XR- 1000	09,27				
ME1	09	XR 1000	00				
Memorex	00,09,10,12,18, 19,20,30,48	Yamaha	11,14				
MGA	16,23	Zenith	07,08,12				
MGN Technology	48						
Minolta	15						
Mitsubishi	16,23,26,45						
Motorola	09,20						
MTC	00,48						
Multitech	00,27						
NEC	11,13,14,26						